

Serial No. 10/731,276

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Mark R. Thomann et al.	Examiner:	Mehdi Namazi
Serial No.:	10/731,276	Group Art Unit:	2188
Filed:	December 09, 2003	Docket:	303.594US2
Title:	DOUBLE DATA RATE SCHEME FOR DATA OUTPUT		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), please charge Deposit Account No. 19-0743 in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

Applicant informs the Examiner that U.S. Patent No. 6,118,729 claims priority to the Japanese application corresponding to JP-11-195296. Both of these documents are listed on the attached Form 1449. Applicant further believes that U.S. Patent No. 6,094,375 is a member of the same patent family as DE 1982164 A1. Both of these documents are listed on the attached Form 1449.

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The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

MARK R. THOMANN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Date

14 Dec '04

By



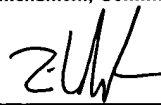
Timothy B Chise
Reg. No. 40,957

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 15 day of December, 2004.

Name

Tim Kohut

Signature

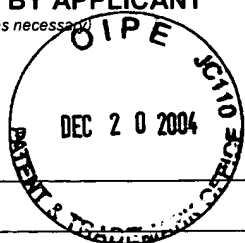


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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/731,276
Filing Date	December 9, 2003
First Named Inventor	Thomann, Mark
Group Art Unit	2188
Examiner Name	Namazi, Mehdi

Sheet 1 of 1

Attorney Docket No: 303.594US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-6,094,375	07/25/2000	Lee	12/30/1998
	US-6,118,729	09/12/2000	Osamu, H. , et al.	10/27/1998
	US-6,282,128	08/28/2001	Lee	05/23/2000
	US-6,823,407	11/23/2004	Porter, J. D., et al.	02/03/2003

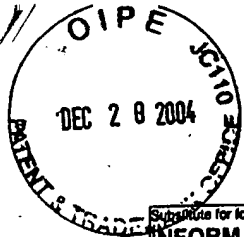
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	DE-19821641A1	07/01/1999	Lee, S.	
	JP-11-195296	07/21/1999	Osamu, H. , et al.	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	Unknown
Filing Dat	Even Date Herewith
First Named Inventor	Thomann, Mark
Group Art Unit	Unknown 2188
Examiner Name	Unknown M. NAMAZI

Sheet 1 of 2

Attorney Docket No: 303.594US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
M. N.	US-4,463,443	07/31/1984	Frankel, D. G., et al.	364	900	10/22/1981
	US-5,007,012	04/09/1991	Dujari, V.			
	US-5,402,389	03/28/1995	Flannagan, S. T., et al.	365	233	03/08/1994
	US-5,506,814	04/09/1996	Hush, G., et al.	365	230.03	05/28/1993
	US-5,592,488	01/07/1997	Thomann, M., et al.	370	465	06/07/1995
	US-5,657,289	08/12/1997	Hush, G. E., et al.	365	230.05	08/30/1995
	US-5,699,314	12/16/1997	Hush, G., et al.	365	230.03	10/17/1996
	US-5,703,826	12/30/1997	Hush, G., et al.	365	230.05	03/18/1996
	US-5,717,647	02/10/1998	Hush, G. E., et al.	365	230.05	02/20/1997
	US-5,778,007	07/07/1998	Thomann, M., et al.	371	40.11	03/11/1997
	US-5,815,447	09/29/1998	Thomann, M. R.	365	200	08/08/1996
	US-5,822,266	10/13/1998	Kikinis, D.	365	222	08/07/1997
	US-5,834,813	11/10/1998	Ma, M., et al.	257	368	05/23/1996
	US-5,854,800	12/29/1998	Thomann, M., et al.	371	37.7	06/07/1995
	US-5,875,134	02/23/1999	Cloud, E. H.	365	193	09/08/1997
	US-5,915,128	06/22/1999	Bauman, M.A., et al.			
	US-5,920,511	07/06/1999	Lee, S., et al.	365	189.05	12/22/1997
	US-5,923,901	07/13/1999	Kawaura, K.			
	US-5,953,258	09/14/1999	Thomann, M. R.	365	189.01	07/01/1998
	US-5,963,469	10/05/1999	Forbes, L.	365	149	02/24/1998
	US-5,986,948	11/16/1999	Cloud, E. H.	365	193	09/23/1998
	US-6,060,916	05/09/2000	Park, Chan-seok	327	99	04/22/1998
	US-6,067,585	05/23/2000	Hoang, T. M.	710	11	05/14/1998
	US-6,078,546	06/20/2000	Lee, Jung-Bae	365	233	03/18/1998
	US-6,112,267	08/29/2000	McCormack, J.J., et al.			
	US-6,151,271	11/21/2000	Lee, Jung-bae	365	233	01/22/1999
	US-6,314,042	11/06/2001	Tomishima, S., et al.			
	US-6,446,180	09/03/2002	Li, Wen, et al.	711	167	07/30/2001
	US-6,477,107	11/05/2002	Lee, J-B	365	233	09/01/2000
	US-6,477,592	11/05/2002	Chen, Jawji, et al.	710	52	08/06/1999
	US-6,516,363	02/04/2003	Porter, J. D., et al.	710	60	08/06/1999
M. N.	US-6,522,599	02/18/2003	Oolishi, Tsukasa, et al.	365	233	12/26/2001

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ¹
	DE-19821641	07/01/1999	Lee, S.	G06F	12/00	

EXAMINER

DATE CONSIDERED 9/29/04

Substitute Disclosure Statement Form (PTO-1440)
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Name of Inventor	Thomann, Mark
Group Art Unit	Unknown
Examiner Name	Unknown

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Attorney Docket No: 303.594US2

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
M-N	EP-0778575	06/11/1997	Katayama, Y.	G11 C	7/00	
M-N	WO-99/50852	10/07/1999	Mes, I.	G11 C	7/00	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M-N		"Increasing Data Read Rate from Memories", IBM Technical Disclosure Bulletin, 30, (May, 1988), 339-341	

EXAMINER

DATE CONSIDERED 9/29/04

Substitute Disclosure Statement Form (PTO-1448)

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